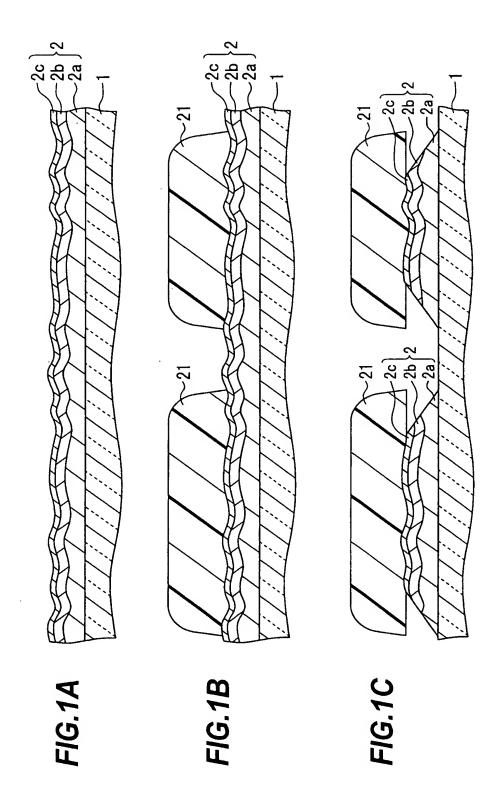
LIQUID CRYSTAL DISPLAY Matsui et al. Greer, Burns & Crain, Ltd. Ref. No. 1612.69212 Sheet 1 of 6

January 27, 2004 (Patrick Burns) (312) 360 0080



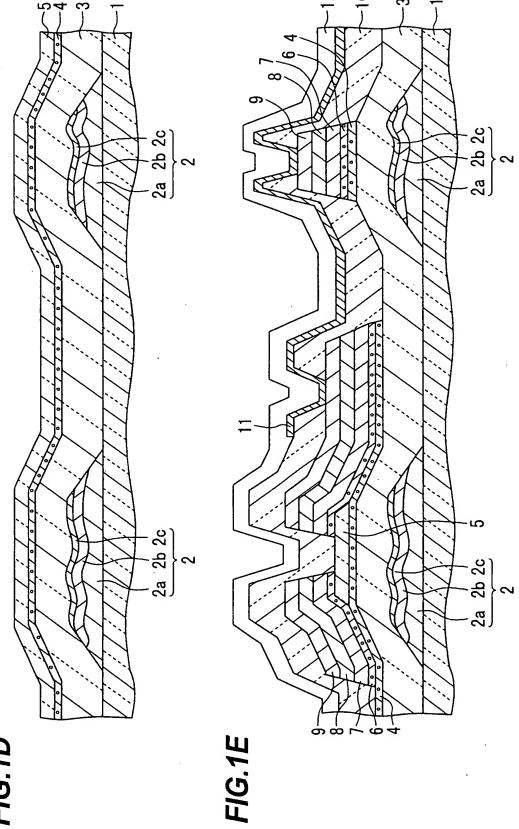


FIG.1D

LIQUID CRYSTAL DISPLAY Matsui et al. Greer, Burns & Crain, Ltd. Ref. No. 1612.69212 Sheet 3 of 6 January 27, 2004 (Patrick Burns) (312) 360 0080

## FIG.2

		NUMBER OF WHISKERS FORMED ON EACH SUBSTRATE	SURFACE ROUGHNESS Ra (nm)
SAMPLE A	SUBSTRATES WITH HEATING	0	3.39
SAMPLE C	SUBSTRATES WITHOUT HEATING	203	0.99

LIQUID CRYSTAL DISPLAY Matsui et al. Greer, Burns & Crain, Ltd. Ref. No. 1612.69212 Sheet 4 of 6 2d 2b 2c **2a** FIG.3B

FIG.3A

January 27, 2004 (Patrick Burns) (312) 360 0080

LIQUID CRYSTAL DISPLAY Matsui et al. Greer, Burns & Crain, Ltd. Ref. No. 1612.69212 Sheet 5 of 6 January 27, 2004 (Patrick Burns) (312) 360 0080

## FIG.4

		NUMBER OF WHISKERS FORMED ON EACH SUBSTRATE	STRESS (MPa)
SAMPLE B	WITH AI OXIDE LAYER	0	83.4
SAMPLE C	WITHOUT AI OXIDE LAYER	203	212.3

FIG.5A

FIG.5B

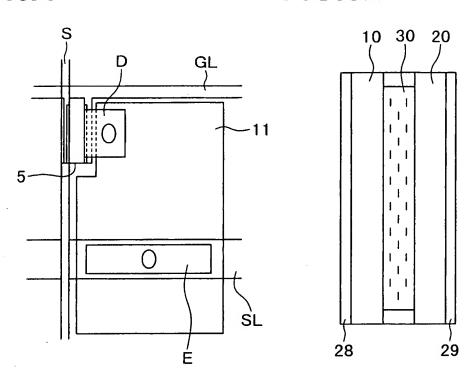


FIG.5C

